

gRNAs to build for the Gate (NAND and NOR)										
Cassette name		A1	A2	A2I1	A1I3	A1I3	A3I2	A3I2I1	I2	A1I2
Plasmid receiver		ADH1	ADH1	ADH1 + Kana	ADH1	ADH1 + Kana	ADH1	ADH1	ADH1 + Kana	ADH1 + Kana
Fragments	1	c3_1	c3_2	c3_2	c3_1	c3_1	c3_3	c3_3	c6_2	c3_1
	2	/	/	c6_1	c6_3	c6_3	c6_2	c6_2 + c7_2	c7_2	c6_2
	3	/	/	c7_1	c7_3	c7_3	c7_2	c6_1 + c7_1	/	c7_2
Building block		IDT	IDT	IDT	IDT	IDT	IDT	IDT + A1I + A1I2 (with DsRed2)	IDT	IDT
Number of inserts (for the Gibson reaction)		1	1	3	3	3	3	3	2	3
Primers for the first fragment		f_Gbs_c3ADH1 and r_Gbs_c7ADH1	f_Gbs_c3ADH1 and r_Gbs_c7ADH1	f_Gbs_c3ADH1 and r_Gbs_c3c6	f_Gbs_c3ADH1 and r_Gbs_c3c6	f_Gbs_c3ADH1 and r_Gbs_c3c6	f_Gbs_c3ADH1 and r_Gbs_c3c6	f_Gbs_c3ADH1 and r_Gbs_c3c6	f_Gbs_c6ADH1 and r_Gbs_cir	f_Gbs_c3ADH1 and r_Gbs_c3c6
Primers for the second fragment		/	/	f_IDT_squ and r_IDT_cir	f_IDT_squ and r_IDT_cir	f_IDT_squ and r_IDT_cir	f_IDT_squ and r_IDT_cir	f_IDT_squ and r_Gbs_c7+A	f_Gbs_c6c7 and r_Gbs_c7ADH1	f_IDT_squ and r_IDT_cir
Primers for the third fragment		/	/	f_Gbs_c6c7 and r_Gbs_c7ADH1	f_Gbs_c6c7 and r_Gbs_c7ADH1	f_Gbs_c6c7 and r_Gbs_c7ADH1	f_Gbs_c6c7 and r_Gbs_c7ADH1	f_Gbs_squ+A and r_Gbs_c7+ADH1	/	f_Gbs_c6c7 and r_Gbs_c7ADH1